SCORE Search Results Details for Application 10529592 and Search Result 20090427_122940_us-10-529-592a-1.rnpbn.

This page gives you Search Results detail for the Application 10529592 and Search Result 20090427_122940_us-10-529-592a-1.rnpbn.

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GenCore version 6.3

OM nucleic - nucleic search, using sw model

Run on: April 28, 2009, 04:39:00 ; Search time 150 Seconds
(without alignments)
5087.550 Million cell updates/sec

Title: US-10-529-592A-1
Perfect score: 881
Sequence: 1 gggccatgacccccgctgct.....aaataaagatcctctgtaac 881

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1064368 seqs, 433105884 residues

Total number of hits satisfying chosen parameters: 2128736

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_NA_New:*
1: /ABSS/Data/CRF/ptodata/1/pubpna/US09_NEW_PUB.seq:*
2: /ABSS/Data/CRF/ptodata/1/pubpna/US10_NEW_PUB.seq:*
3: /ABSS/Data/CRF/ptodata/1/pubpna/US11_NEW_PUB.seq:*
4: /ABSS/Data/CRF/ptodata/1/pubpna/US12_NEW_PUB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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	Result No.	Score	Query Match	Length	DB	ID	Description
c	1	45.6	5.2	839	2	US-10-425-115-144491	Sequence 144491,
	2	44	5.0	975	4	US-12-169-527-2483	Sequence 2483, Ap
	3	43.8	5.0	363	2	US-10-425-115-139685	Sequence 139685,
	4	42.8	4.9	667	1	US-09-684-016-184927	Sequence 184927,
	5	42.6	4.8	1857	4	US-12-169-527-5220	Sequence 5220, Ap
	6	42.4	4.8	576	2	US-10-425-115-176269	Sequence 176269,
	7	42.2	4.8	1230	4	US-12-286-964-7163	Sequence 7163, Ap
c	8	41.8	4.7	932	4	US-12-169-527-5307	Sequence 5307, Ap
	9	41.4	4.7	1016	2	US-10-425-115-76543	Sequence 76543, A
c	10	41.4	4.7	9314	4	US-12-156-531-13	Sequence 13, Appl
	11	41.2	4.7	1399	4	US-12-064-797A-8050	Sequence 8050, Ap
c	12	40.8	4.6	672	4	US-12-286-964-15136	Sequence 15136, A
c	13	40.6	4.6	471	1	US-09-684-016-453428	Sequence 453428,
c	14	40.6	4.6	663	2	US-10-425-115-98904	Sequence 98904, A
	15	40.4	4.6	373	3	US-11-974-469A-4265	Sequence 4265, Ap
	16	40.4	4.6	445	1	US-09-684-016-455702	Sequence 455702,
	17	40.4	4.6	933	4	US-12-286-964-4279	Sequence 4279, Ap
	18	40.4	4.6	1340	2	US-10-425-115-17070	Sequence 17070, A
	19	40.4	4.6	1768	2	US-10-425-115-111649	Sequence 111649,
	20	40.2	4.6	428	1	US-09-684-016-172490	Sequence 172490,
	21	40.2	4.6	3000	4	US-12-286-964-21616	Sequence 21616, A
c	22	40	4.5	376	1	US-09-684-016-283041	Sequence 283041,
c	23	40	4.5	508	1	US-09-684-016-259492	Sequence 259492,
c	24	40	4.5	865	2	US-10-425-115-179331	Sequence 179331,
	25	40	4.5	889	1	US-09-684-016-263475	Sequence 263475,
c	26	40	4.5	1194	3	US-11-988-790-15	Sequence 15, Appl
c	27	39.8	4.5	521	1	US-09-684-016-186132	Sequence 186132,
	28	39.8	4.5	590	2	US-10-425-115-11173	Sequence 11173, A
	29	39.8	4.5	1694	3	US-11-980-276A-2536	Sequence 2536, Ap
	30	39.8	4.5	2486	2	US-10-425-115-131502	Sequence 131502,
c	31	39.6	4.5	358	1	US-09-684-016-334885	Sequence 334885,
	32	39.6	4.5	594	2	US-10-425-115-133507	Sequence 133507,
c	33	39.6	4.5	3324	3	US-11-911-617-161	Sequence 161, App
c	34	39.4	4.5	454	2	US-10-425-115-134112	Sequence 134112,
c	35	39.4	4.5	496	1	US-09-684-016-394236	Sequence 394236,
	36	39.2	4.4	451	1	US-09-684-016-184373	Sequence 184373,
	37	39.2	4.4	463	2	US-10-425-115-118884	Sequence 118884,
	38	39.2	4.4	1800	2	US-10-425-115-138850	Sequence 138850,
	39	39.2	4.4	2366	2	US-10-425-115-138853	Sequence 138853,
	40	39	4.4	374	1	US-09-684-016-460569	Sequence 460569,
	41	39	4.4	411	1	US-09-684-016-405405	Sequence 405405,
c	42	39	4.4	438	1	US-09-684-016-437981	Sequence 437981,
	43	39	4.4	1335	2	US-10-425-115-18329	Sequence 18329, A
	44	38.8	4.4	295	1	US-09-684-016-425293	Sequence 425293,
	45	38.8	4.4	345	2	US-10-425-115-137111	Sequence 137111,

ALIGNMENTS

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RESULT 1
US-10-425-115-144491/c
; Sequence 144491, Application US/10425115
; Publication No. US20090087878A9
; GENERAL INFORMATION:
;  APPLICANT: La Rosa, Thomas J.
;  APPLICANT:  Kovalic, David K.
;  APPLICANT:  Zhou, Yihua
;  APPLICANT:  Cao, Yongwei
;  TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
;  TITLE OF INVENTION:  Plants
;  FILE REFERENCE: 38-21(53222)B
;  CURRENT APPLICATION NUMBER: US/10/425,115
;  CURRENT FILING DATE:  2003-04-28
;  NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 144491
;   LENGTH: 839
;   TYPE: DNA
;   ORGANISM: Zea mays
;   FEATURE:
;   OTHER INFORMATION: Clone ID: MRT4577_6325C.1
US-10-425-115-144491

  Query Match             5.2%;  Score 45.6;  DB 2;  Length 839;
  Best Local Similarity   50.5%;  Pred. No. 0.044;
  Matches  111;  Conservative    0;  Mismatches  109;  Indels    0;  Gaps    0;

Qy          40 CCGCGGCCCCCCGAGCCCGACCGCCGCCGCCACCACCACCAGCGCCCGGGCGGGCCTCGC 99
               | ||| | ||| ||  | |  ||  |||||  || |        |     || || |||
Db         248 CGGCGACGCCCGGAAGCTGCACGTGGCCGCAGCCGCTGAGGCGGGTGCCGCCGGACTCCT 189

Qy         100 GCGCCTCGGGCGCGGCTCCGCAGTGAGCCCACCAAGAAGGAAGCGGCCTGCAGAGGTGCC 159
               || ||    |     || |  || ||    |  |||| ||    | ||  | | ||||| |
Db         188 GCTCCAGCTGATGAGCCCACCAATGTCGTCGACAAGCAGATCCCTGCTCGGACAGGTGTC 129

Qy         160 GACATGGGGCTTAAGATGTCCTGCCTGAAAGGCTTTCAAATGTGTGTCAGCAGCAGCAGC 219
               | |||     |           ||||| | | |  ||         |   ||||||||||
Db         128 GTCATCACCATCCTCGGCGGTGGCCTGCACGACAGTCGCGCTGTCGGTGGCAGCAGCAGG 69

Qy         220 AGCAGCCACGACGAGGCCCCCGTCCTGAACGACAAGCACC 259
               ||| || ||||||| | || |  | ||| |     | |||
Db          68 AGCTGCAACGACGACGGCCGCACCGTGACCTTGCTGGACC 29


RESULT 2
US-12-169-527-2483
; Sequence 2483, Application US/12169527
; Publication No. US20090049566A1
; GENERAL INFORMATION
;  APPLICANT: Mendel Biotechnology, Inc.
;  APPLICANT:ZHANG, James
;  APPLICANT:HEMPEL, Frederick D
;  APPLICANT:ADAM, Luc
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;  APPLICANT:PALYS, Joseph M
;  TITLE OF INVENTION: IMPROVEMENT OF PLANT QUALITY WITH VARIOUS PROMOTERS
;  FILE REFERENCE: MBI-0070-2CIP
;  CURRENT APPLICATION NUMBER: US/12/169,527
;  CURRENT FILING DATE: 2008-07-08
;  NUMBER OF SEQ ID NOS: 10667
;  SOFTWARE: PatentIn version 3.5
; SEQ ID NO 2483
;  LENGTH: 975
;  TYPE: DNA
;  ORGANISM: Zea mays
;  FEATURE:
;  OTHER INFORMATION: G4640,family:MYB-(R1)R2R3
US-12-169-527-2483

  Query Match              5.0%;  Score 44;  DB 4;  Length 975;
  Best Local Similarity   47.9%;  Pred. No. 0.11;
  Matches  158;  Conservative    0;  Mismatches  170;  Indels    2;  Gaps    1;

Qy          13 CCGCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCCCCGAGCCCGACCGCCGCCGCCAC 72
               |||| ||    | |  |||| | |  ||||    |  |    || ||  |  |||   |||
Db         540 CCGCGGCATCGACCCGCAGACGCACCGCCCGCTCAGCGGCGGCGCGGGCAGCGCGCTCAC 599

Qy          73 CACCACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGCAGTGAGCCCACC 132
               ||||||    |  |    || ||| || ||  || || ||  |  |||       || ||  |
Db         600 CACCACGTCCAGCACCGCCGGCTTCCCGTCCCCCGCGCCGGCGTCCAGGTCCAGGCCCAC 659

Qy         133 AAGAAGGAAGCGGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGGC 192
                   | |   | |||  ||  |  | || | |  |      |  ||| | |   |      |
Db         660 GCCCACGCCCCCGCC--CACCGTCGTCGTCCCGCCCAATGCGATCTTCGTGCGCCCGGCG 717

Qy         193 TTTCAAATGTGTGTCAGCAGCAGCAGCAGCAGCCACGACGAGGCCCCCGTCCTGAACGAC 252
                       |   | |  |||||||||| ||      |   || || ||   |      ||||
Db         718 CCGTCGGAGGACGGCCACAGCAGCAGCGGCGCGAGCACGGACGCGCCGCGCTGCCCCGAC 777

Qy         253 AAGCACCTGGACGTGCCCGACATCATCATCACGCCCCCCACCCCCACGGGCATGATGCTG 312
                   |||||||| ||  |      | |   | |||| ||||    |  |||      | || |
Db         778 CTCAACCTGGACCTGGACCTGTCCGTGGGCCCGCCGCCCAAGACGCCGGCGGCCACGCAG 837

Qy         313 CCGAGGGACTTGGGGAGCACAGTCTGGCTG 342
               | |  |      | |||  ||  |||| |||
Db         838 CAGCAGCGGCGGCGGACGACCATCTGCCTG 867


RESULT 3
US-10-425-115-139685
; Sequence 139685, Application US/10425115
; Publication No. US20090087878A9
; GENERAL INFORMATION:
;  APPLICANT: La Rosa, Thomas J.
;  APPLICANT:  Kovalic, David K.
;  APPLICANT:  Zhou, Yihua
;  APPLICANT:  Cao, Yongwei
```

```
;  TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
;  TITLE OF INVENTION:  Plants
;  FILE REFERENCE: 38-21(53222)B
;  CURRENT APPLICATION NUMBER: US/10/425,115
;  CURRENT FILING DATE:  2003-04-28
;  NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 139685
;   LENGTH: 363
;   TYPE: DNA
;   ORGANISM: Zea mays
;   FEATURE:
;   OTHER INFORMATION: Clone ID: MRT4577_5887C.1
US-10-425-115-139685

  Query Match             5.0%;  Score 43.8;  DB 2;  Length 363;
  Best Local Similarity   45.9%;  Pred. No. 0.12;
  Matches  150;  Conservative    0;  Mismatches  177;  Indels    0;  Gaps    0;

Qy          10 CCCCCGCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCCCCGAGCCCGACCGCCGCCGC 69
               || || |  |    || | |  | ||  |  | | ||||| |   |    || || |
Db          37 CCTCCTCCTCCTCCTCCCAGATCCGCCTCCCCGCCCCGCCCCCAGATCCCCCACGCA 96

Qy          70 CACCACCACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGCAGTGAGCCC 129
                 | | |    |||| || |||     |  |  || |  ||    |  |      ||||
Db          97 GGCGAGCGAACGCGCGCGCGCAGGCCCAGATCCGCCCGCCGCCCCGCCGGAGCAGCCA 156

Qy         130 ACCAAGAAGGAAGCGGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAA 189
               ||| |  | | | |||| || | |  |  | ||||  |      | ||    ||  | |
Db         157 TCCATGGCGAAGGAGGCCGGCGGCGAGGGGGCCATGTCGGAGCCGGTGCTGCGCAAGGAG 216

Qy         190 GGCTTTCAAATGTGTGTCAGCAGCAGCAGCAGCAGCCACGACGAGGCCCCCGTCCTGAAC 249
                 | |        ||   |  |        | | |  || |  |    ||  | || |  ||
Db         217 CTCGTCTCCTACTGCTACGTCGCGGAGTGGATCTTCCTCTCCTTCACCGTCATCGTCTAC 276

Qy         250 GACAAGCACCTGGACGTGCCCGACATCATCATCACGCCCCCCACCCCCACGGGCATGATG 309
               ||||| || |   ||  ||| | ||   || |   |||  | ||  | ||  ||  |||
Db         277 AACAAGTACATCCTCGACCCCAAGATGTACAACTGCCCCTTCCCCATCTCGCTCACCATG 336

Qy         310 CTGCCGAGGGACTTGGGGAGCACAGTC 336
               |||  | || |||  |   | |  ||
Db         337 GTGCACATGGCCTTCTGCTCCTCCCTC 363


RESULT 4
US-09-684-016-184927
; Sequence 184927, Application US/09684016
; Publication No. US20090093620A1
; GENERAL INFORMATION:
;  APPLICANT:       Kovalic, David K.
;  APPLICANT:  Liu, Jingdong
;  TITLE OF INVENTION:       Annotated Plant Genes
;  FILE REFERENCE:       38-21(15097)D
;  CURRENT APPLICATION NUMBER: US/09/684,016
```

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;  CURRENT FILING DATE:  2000-10-10
;  PRIOR APPLICATION NUMBER:       US 09/654,617
;  PRIOR FILING DATE:       2000-09-05
;  NUMBER OF SEQ ID NOS:       463173
; SEQ ID NO 184927
;   LENGTH: 667
;   TYPE: DNA
;   ORGANISM: Arabidopsis thaliana columbia
;   FEATURE:
;   NAME/KEY: unsure
;   LOCATION: (1)..(667)
;   OTHER INFORMATION: unsure at all n locations
US-09-684-016-184927

  Query Match              4.9%;  Score 42.8;  DB 1;  Length 667;
  Best Local Similarity   60.2%;  Pred. No. 0.21;
  Matches   71;  Conservative    0;  Mismatches   47;  Indels    0;  Gaps    0;

Qy          3 GCCATGACCCCCGCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCCCCGAGCCCGACCG 62
              |||    ||| ||| || |   |  || ||| || |  ||||||||||   |||  ||
Db        450 GCCCCCGCCCACGCCGCACCCCCCGGCCGGCCCGCCCGCGCGGCCCCCCCCCCCCCACCCC 509

Qy         63 CCGCCGCCACCACCACCAGCGCCCGGGCGGGGCCTCGCGCGCCTCGGGCGCGGCTCCGC 120
              || || || || || || || |||   |   || ||| | || |  || |  | || |
Db        510 CCTCCCCCCCCCCCCCCCGCCCCCCCCCCCCCCCCCGCCCCCCCCCCGCCCCCCCCCC 567


RESULT 5
US-12-169-527-5220
; Sequence 5220, Application US/12169527
; Publication No. US20090049566A1
; GENERAL INFORMATION
;  APPLICANT: Mendel Biotechnology, Inc.
;  APPLICANT:ZHANG, James
;  APPLICANT:HEMPEL, Frederick D
;  APPLICANT:ADAM, Luc
;  APPLICANT:PALYS, Joseph M
;  TITLE OF INVENTION: IMPROVEMENT OF PLANT QUALITY WITH VARIOUS PROMOTERS
;  FILE REFERENCE: MBI-0070-2CIP
;  CURRENT APPLICATION NUMBER: US/12/169,527
;  CURRENT FILING DATE: 2008-07-08
;  NUMBER OF SEQ ID NOS: 10667
;  SOFTWARE: PatentIn version 3.5
; SEQ ID NO 5220
;  LENGTH: 1857
;  TYPE: DNA
;  ORGANISM: Oryza sativa
;  FEATURE:
;  OTHER INFORMATION: Predicted polypeptide sequence is orthologous to G274
US-12-169-527-5220

  Query Match              4.8%;  Score 42.6;  DB 4;  Length 1857;
  Best Local Similarity   47.5%;  Pred. No. 0.25;
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  Matches  126;  Conservative    0;  Mismatches  139;  Indels    0;  Gaps    0;

Qy          39 GCCGCGGCCCCCCGAGCCCGACCGCCGCCGCCACCACCACCAGCGCCCGGGCGGGCCTCG 98
               ||    | |||||    | |||| || || ||    || |  || |    ||| | ||     ||
Db         357 GCACTGCCCCCCGCCGGCCGAGCGGCGGCGGTGCCTCGTCCCGGCGCCGCGGGGCTACCG 416

Qy          99 CGCGCCTCGGGCGCGGCTCCGCAGTGAGCCCACCAAGAAGGAAGCGGCCTGCAGAGGTGC 158
               |||||| |     | |||  || ||       | |    |  | | |||  |          |
Db         417 CGCGCCGCTCCGGTGGCCGCGGAGCCGCGACGCGGCGTGGTACGCGAACGCGCCGCACGA 476

Qy         159 CGACATGGGGCTTAAGATGTCCTGCCTGAAAGGCTTTCAAATGTGTGTCAGCAGCAGCAG 218
                ||  ||| |    ||| |  |   | |||  |  |       |   | |  |     | |
Db         477 GGAGCTGGTGACGGAGAAGGGCGTGCAGAACTGGATCAGGCGGGACGGCGACGTGCTCCG 536

Qy         219 CAGCAGCCACGACGAGGCCCCCGTCCTGAACGACAAGCACCTGGACGTGCCCGACATCAT 278
               |  |  || || | ||    ||| | ||| |    ||| | || |   |||||||
Db         537 CTTCCCCGGCGGCGGGACCATGTTCCCGCACGGCGCCGACCGGTACATCGACGACATCGC 596

Qy         279 CATCACGCCCCCCACCCCCACGGGC 303
               |    || ||  || | |   ||||
Db         597 CGCGGCGGCCGGCATCACGCTGGGC 621


RESULT 6
US-10-425-115-176269
; Sequence 176269, Application US/10425115
; Publication No. US20090087878A9
; GENERAL INFORMATION:
;  APPLICANT: La Rosa, Thomas J.
;  APPLICANT:  Kovalic, David K.
;  APPLICANT:  Zhou, Yihua
;  APPLICANT:  Cao, Yongwei
;  TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
;  TITLE OF INVENTION:  Plants
;  FILE REFERENCE: 38-21(53222)B
;  CURRENT APPLICATION NUMBER: US/10/425,115
;  CURRENT FILING DATE:  2003-04-28
;  NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 176269
;   LENGTH: 576
;   TYPE: DNA
;   ORGANISM: Zea mays
;   FEATURE:
;   NAME/KEY: unsure
;   LOCATION: (1)..(576)
;   OTHER INFORMATION: unsure at all n locations
;   FEATURE:
;   OTHER INFORMATION: Clone ID: MRT4577_92350C.1
US-10-425-115-176269

  Query Match             4.8%;  Score 42.4;  DB 2;  Length 576;
  Best Local Similarity   46.5%;  Pred. No. 0.27;
  Matches  133;  Conservative    0;  Mismatches  153;  Indels    0;  Gaps    0;
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Qy          32 GCTCGTCGCCGCGGCCCCCCGAGCCCGACCGCCGCCGCCACCACCACCAGCGCCCGGGCG 91
               ||||| |  |||||  |||| | | | |||  | | |||  |  |  | |  ||||||||
Db         189 GCTCGCCTGCGCGGAGCCCCAACCTCAACCTGCCCTGCCCGCTGCCGCCGGTCCCGGGCG 248

Qy          92 GGCCTCGCGCGCCTCGGGCGCGGCTCCGCAGTGAGCCCACCAAGAAGGAAGCGGCCTGCA 151
               |||| |  |||||   |||                |||   |  ||   |       | ||
Db         249 GGCCGCCTGCGCCGTCGGCCGCCGGGTTGCCCCCGCCGCGCGCGAGTCACCACCGCCGCG 308

Qy         152 GAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGGCTTTCAAATGTGTGTCAGCA 211
                 | | ||  |||   ||    | ||   |      | |       || | | | ||
Db         309 CCAGATCTGAGGTGGCCTTTCGCTTCTCGGACGACCTGGCCGGCGGCGTGGGCGGCGGCT 368

Qy         212 GCAGCAGCAGCAGCCACGACGAGGCCCCCGTCCTGAACGACAAGCACCTGGACGTGCCCG 271
               |  |   | | ||  ||| || | || | ||   | |  || | || |||||  |  ||
Db         369 TCGACGAGATCGGCTCCGAGGACGACCTCTTCTCCACCTTCATGGACATGGACAAGATCG 428

Qy         272 ACATCATCATCACGCCCCCCACCCCCACGGGCATGATGCTGCCGAG 317
               |  |  |  |     ||  |||  |  |  |     || | || |
Db         429 CCGGCGCCGACCGCGACCGTACCGNCGAGACCTCCTCGCCGNCGCG 474
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RESULT 7
US-12-286-964-7163
; Sequence 7163, Application US/12286964
; Publication No. US20090094717A1
; GENERAL INFORMATION
; APPLICANT: Maxim Troukhan
; APPLICANT:Peter Mascia
; TITLE OF INVENTION: NUCLEOTIDE SEQUENCES AND CORRESPONDING POLYPEPTIDES CONFERRING
; TITLE OF INVENTION:MODULATED PLANT CHARACTERISTICS
; FILE REFERENCE: 2750-1716PUS2
; CURRENT APPLICATION NUMBER: US/12/286,964
; CURRENT FILING DATE: 2008-12-01
; PRIOR FILING DATE:
; PRIOR APPLICATION NUMBER: 60/997,507
; PRIOR FILING DATE: 2007-10-03
; NUMBER OF SEQ ID NOS: 21783
; SEQ ID NO 7163
; LENGTH: 1230
; TYPE: DNA
; ORGANISM: Sorghum bicolor
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Ceres ANNOT ID no. 6074749
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Encodes the peptide sequence at SEQ ID NO 7164
US-12-286-964-7163

Query Match 4.8%; Score 42.2; DB 4; Length 1230;
Best Local Similarity 54.1%; Pred. No. 0.3;
Matches 86; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

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Qy           2 GGCCATGACCCCCGCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCCCCGAGCCCGACC 61
               |||| |||||||||| ||   | ||  |  || |  |||| |||| ||    | |  ||
Db         156 GGCCCTGACCCCCGCCGCCGAGGCTGCCGCGCCCACCGCCTCGGCGGCCGTCTCGCCGCC 215

Qy          62 GCCGCCGCCACCACCACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGCA 121
               | | ||   | ||| | || ||||| | |  ||||    || |||| | |  |      |
Db         216 GGCTCCAGCTCCAGCGCCGGCGCCGGCGGAGGCCAACGGCACCTCCGACAGGAAGAGGAG 275

Qy         122 GTGAGCCCACCAAGAAGGAAGCGGCCTGCAGAGGTGCCG 160
               | |         | || ||   |||     |||  ||| |
Db         276 GAGGAAGGCGGAGGACGGGGACGGGTGCAAGACCTGCAG 314


RESULT 8
US-12-169-527-5307/c
; Sequence 5307, Application US/12169527
; Publication No. US20090049566A1
; GENERAL INFORMATION
;  APPLICANT: Mendel Biotechnology, Inc.
;  APPLICANT:ZHANG, James
;  APPLICANT:HEMPEL, Frederick D
;  APPLICANT:ADAM, Luc
;  APPLICANT:PALYS, Joseph M
;  TITLE OF INVENTION: IMPROVEMENT OF PLANT QUALITY WITH VARIOUS PROMOTERS
;  FILE REFERENCE: MBI-0070-2CIP
;  CURRENT APPLICATION NUMBER: US/12/169,527
;  CURRENT FILING DATE: 2008-07-08
;  NUMBER OF SEQ ID NOS: 10667
;  SOFTWARE: PatentIn version 3.5
; SEQ ID NO 5307
;  LENGTH: 932
;  TYPE: DNA
;  ORGANISM: Oryza sativa
;  FEATURE:
;  OTHER INFORMATION: Predicted polypeptide sequence is orthologous to G354
US-12-169-527-5307

  Query Match             4.7%;  Score 41.8;  DB 4;  Length 932;
  Best Local Similarity   46.7%;  Pred. No. 0.38;
  Matches  133;  Conservative    0;  Mismatches  152;  Indels    0;  Gaps    0;

Qy         213 CAGCAGCAGCAGCCACGACGAGGCCCCCGTCCTGAACGACAAGCACCTGGACGTGCCCGA 272
               | || || || ||  || |   | ||   | ||   || |     | | |   |||||||
Db         560 CGGCGGCGGCGGCGGCGGCCGCGGCCTTCTTCTTGCCGCCGTCGTCGTCGCTCTGCCCGA 501

Qy         273 CATCATCATCACGCCCCCCACCCCCACGGGCATGATGCTGCCGAGGGACTTGGGGAGCAC 332
               |  |  |     |     ||     |   || || |     | |       |   |   || |
Db         500 CGACGCCGATGCCGAGGCCGAGGCTGAGGCCAAGCCCGAGGCCGTCCGCCATGACGGCGC 441

Qy         333 AGTCTGGCTGGATGAGACAGGGTCGTGCCCAGATGATGGAGAAATCGACCCAGAAGCCTG 392
                 ||   || | ||| | |       | |||  |  || || ||| |||| || | ||   |
Db         440 GGTGGCGCCGCATGTGCCCTCCGAGCGCCTGGCCGACGGCGAACTCGAGCCCGCAGATGG 381
```

```
Qy         393 AGGAGGTGTCCTGGGTTTGGCTGGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCC 452
               || |   || |    |  |  |||| ||| |||   |   |||  || | || |     |
Db         380 AGCACCCGTGCACCTTGGGCTTGGCCGGCGCCTCGGCGGCCGGGTCGCCGTCCGCCAGGC 321

Qy         453 GGGGGCGTGGCTGCCTGGAGCAGGTGTGCTGAATACCCTGGATGG 497
               ||||       || ||||  | |  |      |   |||||| ||
Db         320 GGGGCTTCTTGTGGCTGGCCCGGTGGCCGCCGAGCGCCTGGAAGG 276


RESULT 9
US-10-425-115-76543
; Sequence 76543, Application US/10425115
; Publication No. US20090087878A9
; GENERAL INFORMATION:
;  APPLICANT: La Rosa, Thomas J.
;  APPLICANT:  Kovalic, David K.
;  APPLICANT:  Zhou, Yihua
;  APPLICANT:  Cao, Yongwei
;  TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
;  TITLE OF INVENTION:  Plants
;  FILE REFERENCE: 38-21(53222)B
;  CURRENT APPLICATION NUMBER: US/10/425,115
;  CURRENT FILING DATE:  2003-04-28
;  NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 76543
;   LENGTH: 1016
;   TYPE: DNA
;   ORGANISM: Zea mays
;   FEATURE:
;   OTHER INFORMATION: Clone ID: MRT4577_169834C.1
US-10-425-115-76543

  Query Match              4.7%;  Score 41.4;  DB 2;  Length 1016;
  Best Local Similarity   45.7%;  Pred. No. 0.48;
  Matches  144;  Conservative    0;  Mismatches  171;  Indels    0;  Gaps    0;

Qy          34 TCGTCGCCGCGGCCCCCCGAGCCCGACCGCCGCCGCCACCACCACCAGCGCCCGGGCGGG 93
               ||  |  | |   || |||    |  || || |  || || |  |     |||| ||
Db         137 TCCACCACCCTCTCCTCCGCCTTCACCCTCCTCTCCCGCCCCTCCACCTCCCCGTGCCCC 196

Qy          94 CCTCGCGCGCGCCTCGGGCGCGGCTCCGCAGTGAGCCCACCAAGAAGGAAGCGGCCTGCAGA 153
                |   | |||  | |  |     || |   | ||||  ||         |    | ||
Db         197 GCCGCCTCGCTCCCGAGGTCCTCCCACGCCGCGCCCCACATCCGCCGGGGCCGCCGCGCC 256

Qy         154 GGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGGCTTTCAAATGTGTGTCAGCAGC 213
               |  |||| |  | |       |     | ||  ||   | |  |  |  | | |  || |
Db         257 GTCGCCGTCGCGTGCACCGCCACCGAGTCCCCCAAGATCCTGGAGCTCGGGGACGCCATC 316

Qy         214 AGCAGCAGCAGCCACGACGAGGCCCCCGTCCTGAACGACAAGCACCTGGACGTGCCCGAC 273
                | |   ||  | ||| |||||||  |  |||   |||| | | || |||   || || |
Db         317 GCCGGGCTCACGCTCGAGGAGGCCCGCAGCCTCGTCGACCACCTCCAGGAGCGGCTCGGC 376
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Qy         274 ATCATCATCACGCCCCCCACCCCCACGGGCATGATGCTGCCGAGGGACTTGGGGAGCACA 333
                |||  |   | || ||  |  | ||  | | | |   |    | ||    |    |||  ||
Db         377 GTCACCGCCCGCGGCCTTCGCGCCGGCCGCCGTCGTCGCGGCGCCCCGGGGCGGGCGGCGGG 436

Qy         334 GTCTGGCTGGATGAG 348
                | |  |    || |||
Db         437 GCCGCGGCCGAGGAG 451


RESULT 10
US-12-156-531-13/c
; Sequence 13, Application US/12156531
; Publication No. US20090042297A1
; GENERAL INFORMATION
;  APPLICANT: GEORGE, JR., Alfred L.
;  APPLICANT:WILSON, Matthew H.
;  TITLE OF INVENTION: PIGGYBAC TRANSPOSON-BASED VECTORS AND
;  TITLE OF INVENTION:METHODS OF NUCLEIC ACID INTEGRATION
;  FILE REFERENCE: 22000.0158U2
;  CURRENT APPLICATION NUMBER: US/12/156,531
;  CURRENT FILING DATE: 2008-06-09
;  PRIOR APPLICATION NUMBER: 60/932,726
;  PRIOR FILING DATE: 2007-06-01
;  NUMBER OF SEQ ID NOS: 14
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 13
;  LENGTH: 9314
;  TYPE: DNA
;  ORGANISM: Artificial Sequence
;  FEATURE:
;  OTHER INFORMATION: Description of Artificial Sequence; Note =
;  OTHER INFORMATION:synthetic construct
US-12-156-531-13

  Query Match             4.7%;  Score 41.4;  DB 4;  Length 9314;
  Best Local Similarity   58.5%;  Pred. No. 0.5;
  Matches   72;  Conservative    0;  Mismatches   51;  Indels    0;  Gaps    0;

Qy          11 CCCCGCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGGCCCCCCGAGCCCGACCGCCGCCGCC 70
               || |||  |||    |  ||   | |    ||| |||  |||   |||| ||| | || ||
Db        4497 CCGCGCCCCTCCCCCGAGCCCTCCCCGGCCCGAGGCGGCCCCGCCCCGCCCGGCACCCCC 4438

Qy          71 ACCACCACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGCAGTGAGCCCA 130
               |||  |  |  | ||| | | |||   ||| ||| || ||   || ||| |  ||||||
Db        4437 ACCTGCCGCCACCCCCCGCCCGGCACGGCGAGCCCCGCGCCACGCCCCGTACGGAGCCCC 4378

Qy         131 CCA 133
                ||
Db        4377 GCA 4375


RESULT 11
US-12-064-797A-8050
```

```
; Sequence 8050, Application US/12064797A
; Publication No. US20090081658A1
; GENERAL INFORMATION
;  APPLICANT: BELOUCHI, Abdelmajid
;  APPLICANT:RAELSON, John Verner
;  APPLICANT:BARDLEY, Walter Edward
;  APPLICANT:PAQUIN, Bruno
;  APPLICANT:FOURNIER, Helene
;  APPLICANT:NGUYEN-HUU, Quynh
;  APPLICANT:CROTEAU, Pascal
;  APPLICANT:ALLARD, Rene
;  APPLICANT:DEBRUS, Sophie
;  APPLICANT:SERRE, Valerie
;  APPLICANT:VAN EERDEWEGH, Paul
;  APPLICANT:LITTLE, Randall David
;  APPLICANT:KEITH, Tim
;  APPLICANT:SEGAL, Jonathan
;  TITLE OF INVENTION: GeneMap of the human genes associated with Crohn's disease
;  FILE REFERENCE: 16540
;  CURRENT APPLICATION NUMBER: US/12/064,797A
;  CURRENT FILING DATE: 2008-10-06
;  PRIOR APPLICATION NUMBER: PCT/US06/33148
;  PRIOR FILING DATE: 2006-08-24
;  PRIOR APPLICATION NUMBER: 60/710,726
;  PRIOR FILING DATE: 2005-08-24
;  NUMBER OF SEQ ID NOS: 16984
;  SOFTWARE: PatentIn version 3.3
; SEQ ID NO 8050
;  LENGTH: 1399
;  TYPE: DNA
;  ORGANISM: Homo sapiens
US-12-064-797A-8050

  Query Match             4.7%;  Score 41.2;  DB 4;  Length 1399;
  Best Local Similarity   49.3%;  Pred. No. 0.54;
  Matches  135;  Conservative    0;  Mismatches  138;  Indels    1;  Gaps    1;

Qy          9 ACCCCCGCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCCCCGAGCCCGACCGCCGCCG 68
              ||  || |  ||| | |    | ||      |  |||| || |   |||  |||||||||
Db        229 ACTGCCCCAACTCGGGCGCCAACGCCACGGCCAACGGCACCGCCGCCCCCGCCGCCGCCG 288

Qy         69 CCACCACCACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGG-GCGCGGCTCCGCAGTGAGC 127
              || || || ||| ||||  || |  |  | | |    ||| ||||    | || | |||
Db        289 CCGCCGCCGCCACCGCCTCGGGGAACGGCCCCCCTGGCGGCGCGCTCTACAGCTGGGAGA 348

Qy        128 CCACCAAGAAGGAAGCGGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGA 187
              ||  | |  |          || |||   |  | |||  ||  |   |   || |||  |
Db        349 CCGGCGACGACCGCTTCCTCTTCAGGAATTTCCACACCGGCATCTGGTACTCGTGCGAGG 408

Qy        188 AAGGCTTTCAAATGTGTGTCAGCAGCAGCAGCAGCAGCCACGACGAGGCCCCCGTCCTGA 247
              | |   |      |  ||     |   |  |||||  |   |||  |||||| |    |
Db        409 AGGAGCTCAGCGGGCTTGGTGAAAAATGTCGCAGCTTCATTGACCTGGCCCCGGCATCGG 468
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Qy         248 ACGACAAGCACCTGGACGTGCCCGACATCATCAT 281
               |  |     | |||||    ||  || |  ||| ||
Db         469 AGAAAGGCCTCCTGGGAATGGTCGCCCACATGAT 502


RESULT 12
US-12-286-964-15136/c
; Sequence 15136, Application US/12286964
; Publication No. US20090094717A1
; GENERAL INFORMATION
;  APPLICANT: Maxim Troukhan
;  APPLICANT:Peter Mascia
;  TITLE OF INVENTION: NUCLEOTIDE SEQUENCES AND CORRESPONDING POLYPEPTIDES CONFERRING
;  TITLE OF INVENTION:MODULATED PLANT CHARACTERISTICS
;  FILE REFERENCE: 2750-1716PUS2
;  CURRENT APPLICATION NUMBER: US/12/286,964
;  CURRENT FILING DATE: 2008-12-01
;  PRIOR FILING DATE:
;  PRIOR APPLICATION NUMBER: 60/997,507
;  PRIOR FILING DATE: 2007-10-03
;  NUMBER OF SEQ ID NOS: 21783
; SEQ ID NO 15136
;  LENGTH: 672
;  TYPE: DNA
;  ORGANISM: Sorghum bicolor
;  FEATURE:
;  NAME/KEY: misc_feature
;  OTHER INFORMATION: Ceres ANNOT ID no. 8635017
;  FEATURE:
;  NAME/KEY: misc_feature
;  OTHER INFORMATION: Encodes the peptide sequence at SEQ ID NO 15137
US-12-286-964-15136

  Query Match              4.6%;  Score 40.8;  DB 4;  Length 672;
  Best Local Similarity   55.7%;  Pred. No. 0.67;
  Matches   78;  Conservative    0;  Mismatches   62;  Indels    0;  Gaps    0;

Qy          23 GTCTTGCAGGCTCGTCGCCGCGGCCCCCCGAGCCCGACCGCCGCCGCCACCACCACCAGC 82
               || || ||| | |  |||  | ||  | ||  || |  || || ||||| | ||  || |
Db         191 GTGTTCCAGTCCCTGCGCTTCTGCGACTCGTACCGGCTCGGCGACGCCAGCGCCGACACC 132

Qy          83 GCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGCAGTGAGCCCACCAAGAAGGAAG 142
               || |  |||| |  ||| | |  |||   | || || | |  | |   || |    | |
Db         131 GCGCCCGCGGACGACGCCCCCGCCGGCGACAGCGCCCCGGACACCGATCCCACGCCGCCG 72

Qy         143 CGGCCTGCAGAGGTGCCGAC 162
               |  ||  ||  |  ||||||
Db          71 CCACCGCCACCGCCGCCGAC 52


RESULT 13
US-09-684-016-453428/c
; Sequence 453428, Application US/09684016
```

```
; Publication No. US20090093620A1
; GENERAL INFORMATION:
;  APPLICANT:       Kovalic, David K.
;  APPLICANT:  Liu, Jingdong
;  TITLE OF INVENTION:       Annotated Plant Genes
;  FILE REFERENCE:       38-21(15097)D
;  CURRENT APPLICATION NUMBER: US/09/684,016
;  CURRENT FILING DATE:  2000-10-10
;  PRIOR APPLICATION NUMBER:       US 09/654,617
;  PRIOR FILING DATE:       2000-09-05
;  NUMBER OF SEQ ID NOS:       463173
; SEQ ID NO 453428
;   LENGTH: 471
;   TYPE: DNA
;   ORGANISM: Sorghum bicolor
US-09-684-016-453428

  Query Match              4.6%;  Score 40.6;  DB 1;  Length 471;
  Best Local Similarity   57.5%;  Pred. No. 0.74;
  Matches   73;  Conservative    0;  Mismatches   54;  Indels    0;  Gaps    0;

Qy          17 TGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCCCCGAGCCCGACCGCCGCCGCCACCACC 76
               | ||| | | |   ||| || ||||||| | | || ||| | | |  |  |||| |||||
Db         344 TCCTCCGCCGTCTCGGCGCGCCGCCGCGCCGCCCAGCTCTAGCCGCAGCGCCTCCACC 285

Qy          77 ACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGCAGTGAGCCCACCAAGA 136
                 || || || |  | |   ||   |||| | || ||  | || ||     | |  ||  |
Db         284 TCCCGCTCCAGCTCCGCGTTCCTCCGCCGCAGGAGCTCCGCCTCATCATCCACTACAGCA 225

Qy         137 AGGAAGC 143
                 || ||
Db         224 CCGACGC 218


RESULT 14
US-10-425-115-98904/c
; Sequence 98904, Application US/10425115
; Publication No. US20090087878A9
; GENERAL INFORMATION:
;  APPLICANT: La Rosa, Thomas J.
;  APPLICANT:  Kovalic, David K.
;  APPLICANT:  Zhou, Yihua
;  APPLICANT:  Cao, Yongwei
;  TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
;  TITLE OF INVENTION:  Plants
;  FILE REFERENCE: 38-21(53222)B
;  CURRENT APPLICATION NUMBER: US/10/425,115
;  CURRENT FILING DATE:  2003-04-28
;  NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 98904
;   LENGTH: 663
;   TYPE: DNA
;   ORGANISM: Zea mays
```

```
;   FEATURE:
;   OTHER INFORMATION: Clone ID: MRT4577_21713C.1
US-10-425-115-98904

  Query Match             4.6%;  Score 40.6;  DB 2;  Length 663;
  Best Local Similarity   57.5%;  Pred. No. 0.75;
  Matches   73;  Conservative    0;  Mismatches   54;  Indels    0;  Gaps    0;

Qy          43 CGGCCCCCCGAGCCCGACCGCCGCCGCCACCACCACCAGCGCCCGGGCGGGCCTCGCGCG 102
               || | || ||  | || ||||||||||  | || |||||| |  |  |  ||  ||
Db         564 CGCCGCCGCGGCCGCGGCCGCCGCCGCCTGCGCCTCCAGCGGCGAGAAGCCCCAGGCCTC 505

Qy         103 CCTCGGGCGCGGCTCCGCAGTGAGCCCACCAAGAAGGAAGCGGCCTGCAGAGGTGCCGAC 162
               | | |  |||||| |||| |  ||| |  |    |  | |   || || | |  |||  |
Db         504 CGTGGCCCGCGGCGCCGCCGGCAGCGCGGCCCAGAACACGGACCCCGCGGCGTCGCCTTC 445

Qy         163 ATGGGGC 169
                 | | ||
Db         444 CTCGCGC 438


RESULT 15
US-11-974-469A-4265
; Sequence 4265, Application US/11974469A
; Publication No. US20090070898A1
; GENERAL INFORMATION
;  APPLICANT: Allen, Edwards
;  APPLICANT:Goldman, Barry S.
;  APPLICANT:Guo, Liang
;  APPLICANT:Heisel, Sara E.
;  APPLICANT:Huang, Shihshieh
;  APPLICANT:Ivashuta, Sergey I.
;  APPLICANT:Kovalic, David K.
;  APPLICANT:Krieger, Elysia K.
;  APPLICANT:Roberts, James K.
;  APPLICANT:Zhang, Yuanji I.
;  TITLE OF INVENTION: Plant MicroRNAs and Methods of Use Thereof
;  FILE REFERENCE: 38-21(54769)D
;  CURRENT APPLICATION NUMBER: US/11/974,469A
;  CURRENT FILING DATE: 2007-10-12
;  PRIOR APPLICATION NUMBER: 60/851,187
;  PRIOR FILING DATE: 2006-10-12
;  PRIOR APPLICATION NUMBER: 60/908,826
;  PRIOR FILING DATE: 2007-03-29
;  PRIOR APPLICATION NUMBER: 60/969,195
;  PRIOR FILING DATE: 2007-08-31
;  NUMBER OF SEQ ID NOS: 8852
;  SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4265
;  LENGTH: 373
;  TYPE: RNA
;  ORGANISM: Zea mays
US-11-974-469A-4265
```

```
  Query Match             4.6%;  Score 40.4;  DB 3;  Length 373;
  Best Local Similarity   62.2%;  Pred. No. 0.83;
  Matches   61;  Conservative    1;  Mismatches   36;  Indels    0;  Gaps    0;

Qy          32 GCTCGTCGCCGCGGCCCCCCGAGCCCGACCGCCGCCGCCACCACCACCAGCGCCCGGGCG 91
               || ||  | || |   |  || | | ||||| ||||| | ||  | || ||||| | ||
Db         198 GCGCGGAGGCGGGUGGCGGCGGGGCGGACCGACGCCGACGCCGACGCCGGCGCCGGCGCC 257

Qy          92 GGCCTCGCGCGCCTCGGGCGCGGCTCCGCAGTGAGCCC 129
               |||  |||||  | ||||    || ||||| :| || |
Db         258 GGCGCCGCGCCGCACGGGGAGAGCCCCGCACUGCGCAC 295


Search completed: April 28, 2009, 04:41:30
Job time : 150 secs
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